

**In the Claims**

1. (Previously presented) A substantially purified nucleic acid molecule that encodes a maize enzyme or fragment of said maize enzyme, wherein said maize enzyme is Methionine Adenosyltransferase and wherein said nucleic acid molecule comprises the nucleic acid sequence of SEQ ID NO: 1.
2. - 12. (Cancelled)
13. (Previously presented) The nucleic acid molecule of claim 1, consisting essentially of the sequence of SEQ ID NO: 1.
14. (New) A substantially purified nucleic acid molecule comprising a nucleic acid sequence of SEQ ID NO: 1 or complement thereof.
15. (New) A substantially purified nucleic acid molecule comprising a nucleic acid sequence having between 100% and 90% sequence identity with a nucleic acid sequence of SEQ ID NO: 1 or complement thereof.
16. (New) The substantially purified nucleic acid molecule of claim 15, wherein said nucleic acid molecule comprises a nucleic acid sequence having between 100% and 95% sequence identity with a nucleic acid sequence of SEQ ID NO: 1 or complement thereof.
17. (New) The substantially purified nucleic acid molecule of claim 16, wherein said nucleic acid molecule comprises a nucleic acid sequence having between 100% and 98% sequence identity with a nucleic acid sequence of SEQ ID NO: 1 or complement thereof.
18. (New) The substantially purified nucleic acid molecule of claim 17, wherein said nucleic acid molecule comprises a nucleic acid sequence having between 100% and 99% sequence identity with a nucleic acid sequence of SEQ ID NO: 1 or complement thereof.